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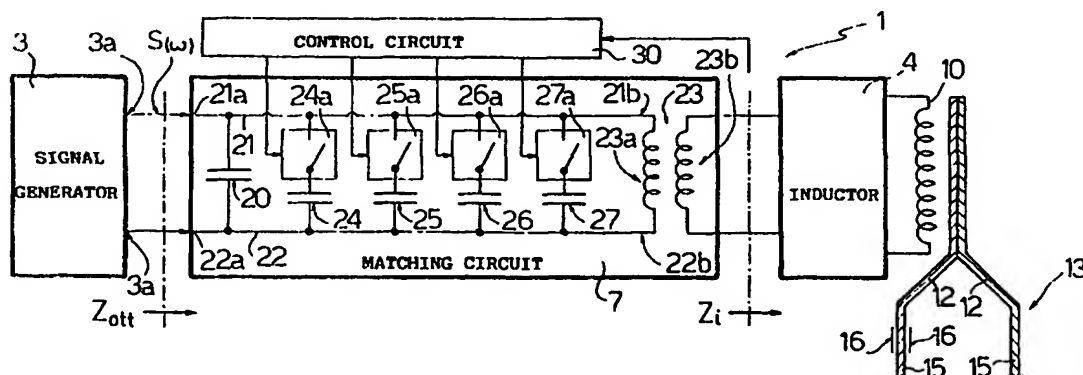
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ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: **INDUCTION SEALING DEVICE AND CORRESPONDING METHOD FOR PRODUCING PACKAGES OF
POURABLE FOOD PRODUCT**



(57) Abstract: An induction sealing device which may be used for producing packages of pourable food products by transversely sealing a tube (13) of sheet packaging material having at least one layer (12) of induction-heatable material covered with plastic material (16). The sealing device has: a generator (3) for generating an alternating power signal $S(\omega)$; an inductor (4) receiving the alternating power signal $S(\omega)$ to induce a parasitic electric current in the layer (12) and locally melt the plastic material (16) to form a transverse seal; and a matching circuit (7) for achieving optimum power transfer between the generator (3) and the inductor (4). The matching circuit (7) includes an inductive-capacitive circuit, in which the capacitance of a variable-capacitance capacitive element (20, 24, 25, 26, 27) is adjustable so that the current-voltage phase angle is close to zero.

INTERNATIONAL SEARCH REPORT

International Application No.

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A. CLASSIFICATION OF SUBJECT MATTER

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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 99/52776 A (TETRA LAVAL HOLDINGS & FINANCE ; TYLLERED OLOF (IT); MELANDRI ANTONIO) 21 October 1999 (1999-10-21) the whole document -----	1-10

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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ion No

PCT/EP2004/050385

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